

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096292.D
 Acq On : 2 May 2018 13:27
 Operator : SJ/JU
 Sample : PB108755BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB108755BS

Quant Time: May 03 01:49:02 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	814	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	2943	0.40	ng	0.00
13) Acenaphthene-d10	14.94	164	1466	0.40	ng	0.00
19) Phenanthrene-d10	17.65	188	3427	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3473	0.40	ng	0.00
34) Perylene-d12	24.35	264	3135	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	793	0.31	ng	0.00
5) Phenol-d6	7.52	99	1091	0.31	ng	0.00
8) Nitrobenzene-d5	9.54	82	1596	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.73	152	1507	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	176	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.57	172	3092	0.49	ng	0.00
25) Fluoranthene-d10	19.63	212	14901	0.32	ng	0.00
29) Terphenyl-d14	20.19	244	3552	0.46	ng	0.00

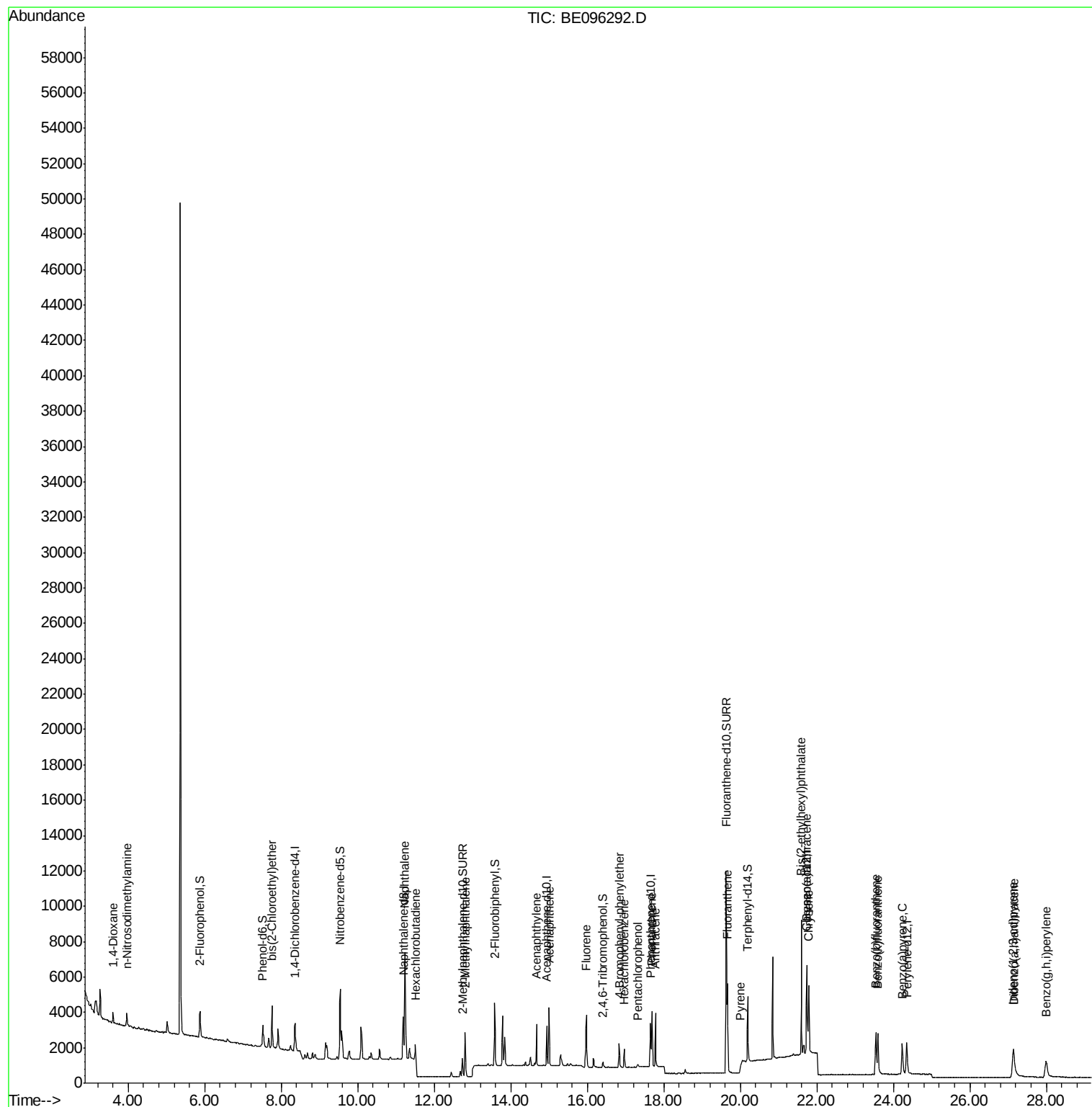
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	370	0.294	ng	# 72
3) n-Nitrosodimethylamine	3.96	42	582	0.378	ng	# 68
6) bis(2-Chloroethyl)ether	7.76	93	934	0.305	ng	89
9) Naphthalene	11.23	128	10866	0.350	ng	99
10) Hexachlorobutadiene	11.50	225	459	0.334	ng	# 84
12) 2-Methylnaphthalene	12.81	142	1783	0.347	ng	96
16) Acenaphthylene	14.67	152	2681	0.342	ng	100
17) Acenaphthene	15.00	154	1591	0.338	ng	92
18) Fluorene	15.97	166	2124	0.365	ng	# 64
20) 4-Bromophenyl-phenylether	16.83	248	662	0.325	ng	# 77
21) Hexachlorobenzene	16.96	284	695	0.343	ng	# 79
22) Pentachlorophenol	17.31	266	119	0.263	ng	86
23) Phenanthrene	17.68	178	3498	0.363	ng	99
24) Anthracene	17.78	178	3209	0.349	ng	# 95
26) Fluoranthene	19.66	202	4404	0.348	ng	97
28) Pyrene	20.00	202	309	0.045	ng	# 61
30) Benzo(a)anthracene	21.73	228	3878	0.348	ng	97
31) Chrysene	21.78	228	3921	0.365	ng	96
32) Bis(2-ethylhexyl)phthalate	21.60	149	8372	0.291	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.14	276	3031	0.291	ng	# 82
35) Benzo(b)fluoranthene	23.54	252	3554	0.378	ng	# 93
36) Benzo(k)fluoranthene	23.59	252	3744	0.387	ng	# 88
37) Benzo(a)pyrene	24.23	252	3384	0.374	ng	# 92
38) Dibenzo(a,h)anthracene	27.15	278	2321	0.291	ng	93
39) Benzo(g,h,i)perylene	27.99	276	2720	0.323	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.36 min Scan# 562

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

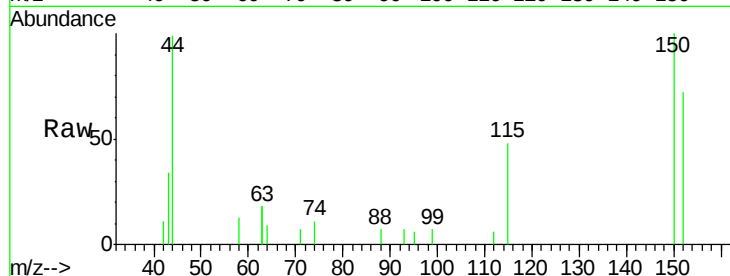
Tot Ion:152 Resp: 814

Ion Ratio Lower Upper

152 100

150 138.3 117.2 175.8

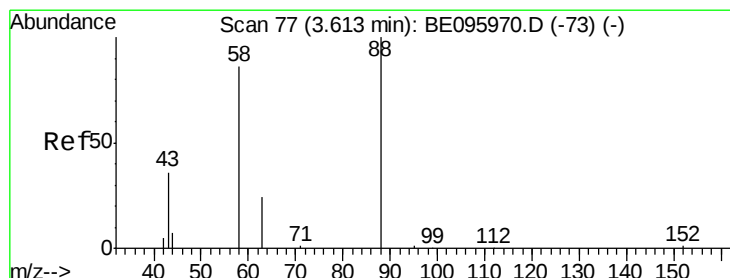
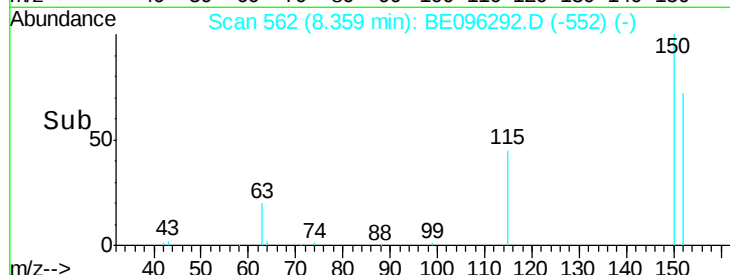
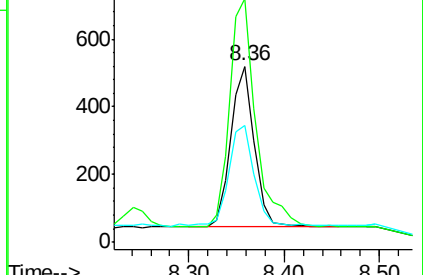
115 66.3 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.294 ng

RT: 3.60 min Scan# 76

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

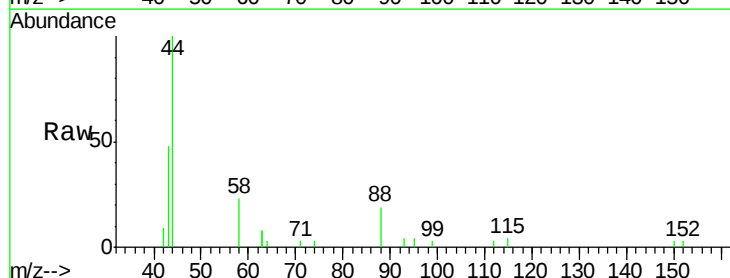
Tgt Ion: 88 Resp: 370

Ion Ratio Lower Upper

88 100

58 92.7 63.2 94.8

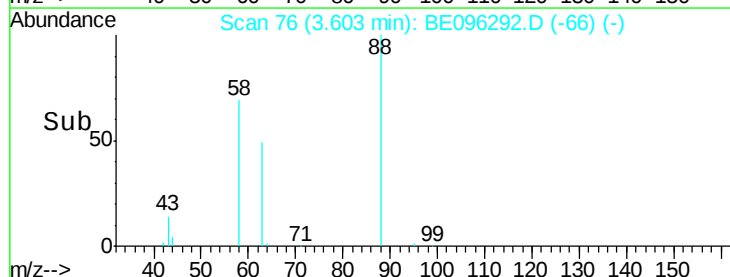
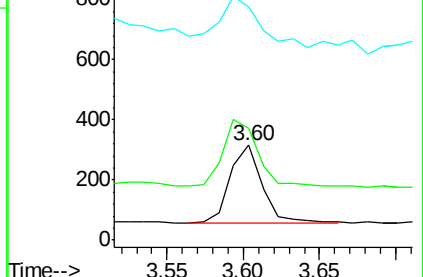
43 84.3 41.2 61.8#

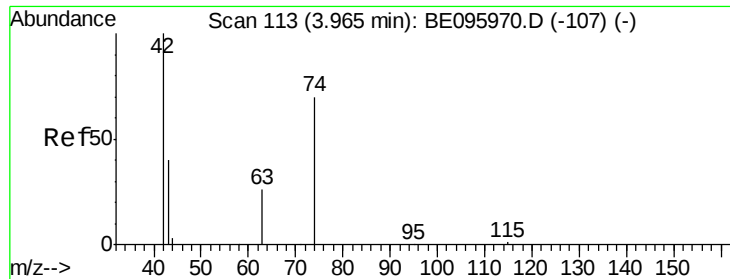


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



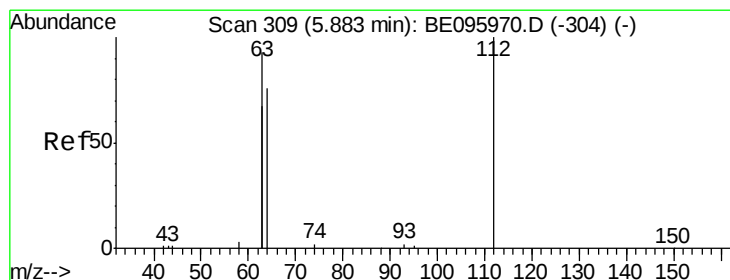
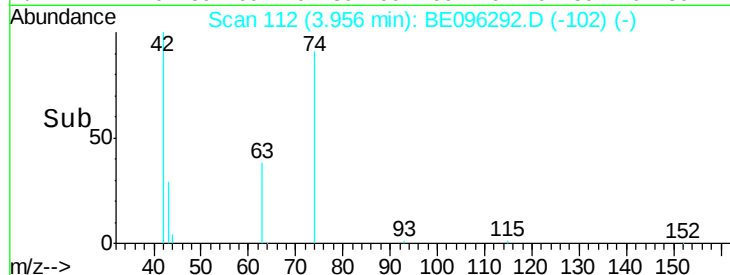
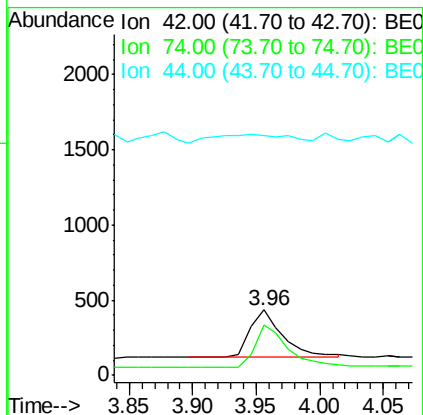
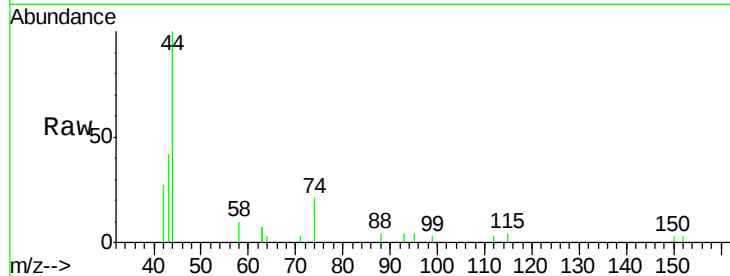


#3

n-Nitrosodimethylamine
 Concen: 0.378 ng
 RT: 3.96 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

Instrument :
 BNA_E
 ClientSampleId :
 PB108755BS

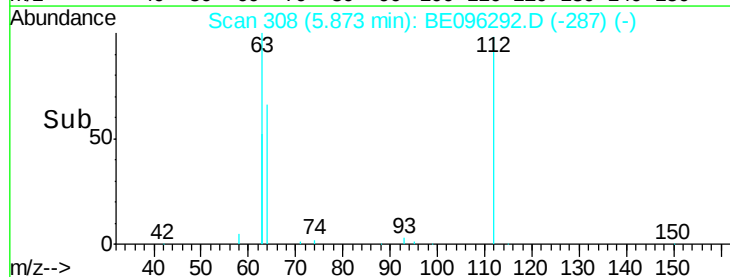
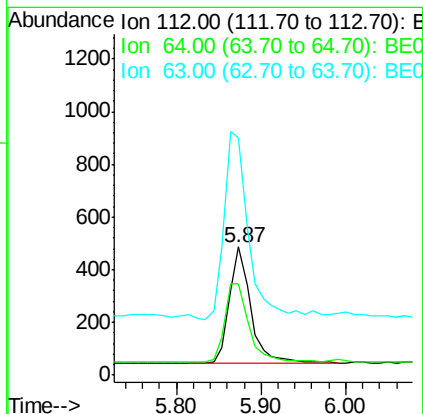
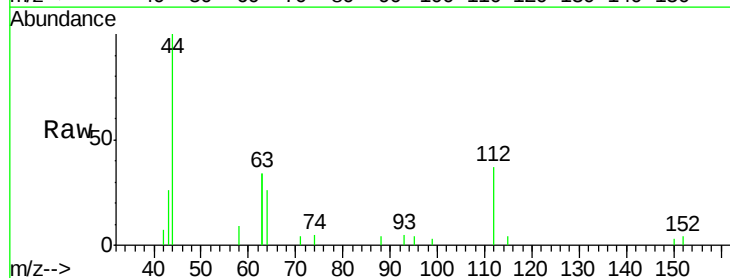
Tot Ion: 42 Resp: 582
 Ion Ratio Lower Upper
 42 100
 74 88.1 96.0 144.0#
 44 40.5 12.0 18.0#

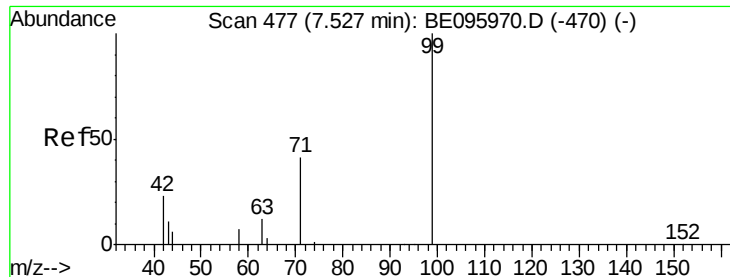


#4

2-Fluorophenol
 Concen: 0.315 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

Tgt Ion: 112 Resp: 793
 Ion Ratio Lower Upper
 112 100
 64 74.3 60.1 90.1
 63 186.8 116.8 175.2#





#5

Phenol-d6

Concen: 0.314 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

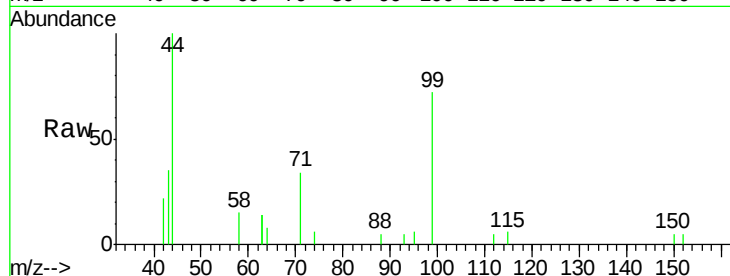
Tot Ion: 99 Resp: 1091

Ion Ratio Lower Upper

99 100

42 29.2 20.2 30.2

71 43.7 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

7.52

600

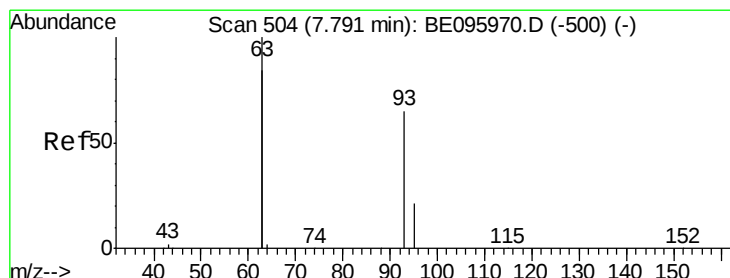
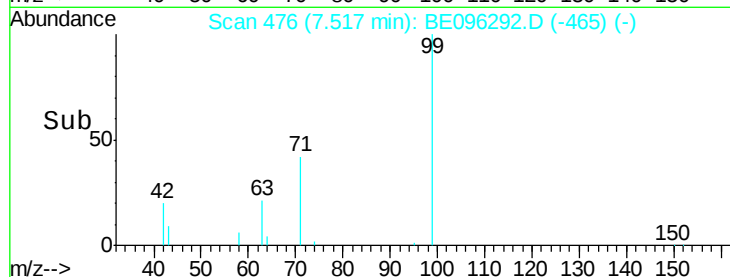
400

200

0

7.45 7.50 7.55 7.60

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.305 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

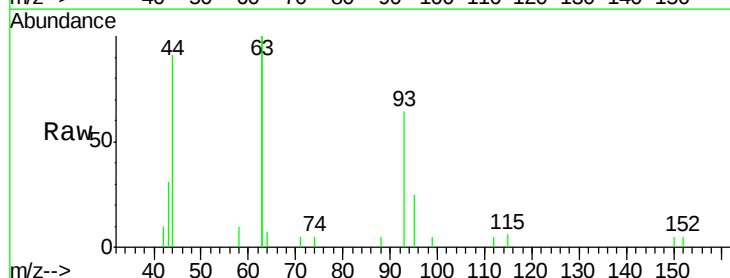
Tgt Ion: 93 Resp: 934

Ion Ratio Lower Upper

93 100

63 318.6 275.3 412.9

95 32.2 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

7.76

2500

2000

1500

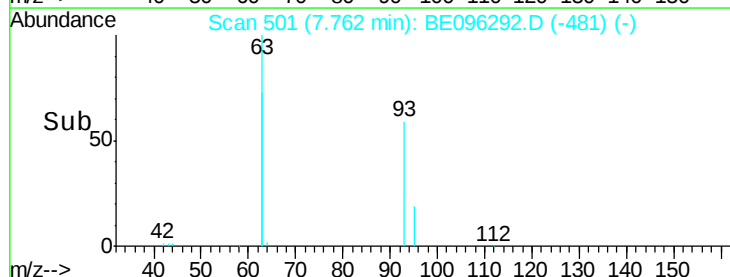
1000

500

0

7.70 7.80 7.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

Tot Ion:136 Resp: 2943

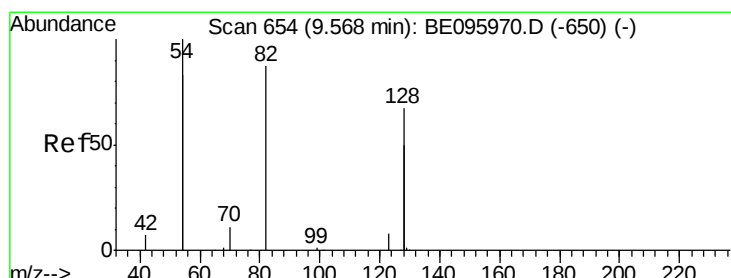
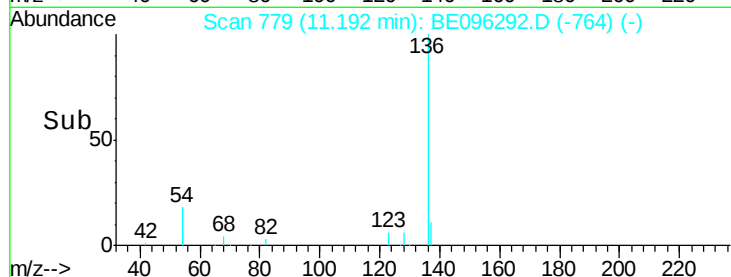
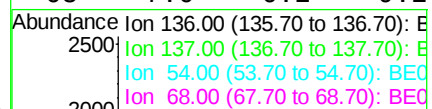
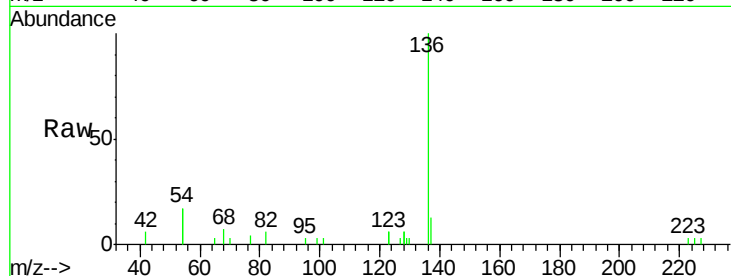
Ion Ratio Lower Upper

136 100

137 13.3 9.5 14.3

54 34.3 29.1 43.7

68 7.0 6.2 9.2



#8

Nitrobenzene-d5

Concen: 0.462 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

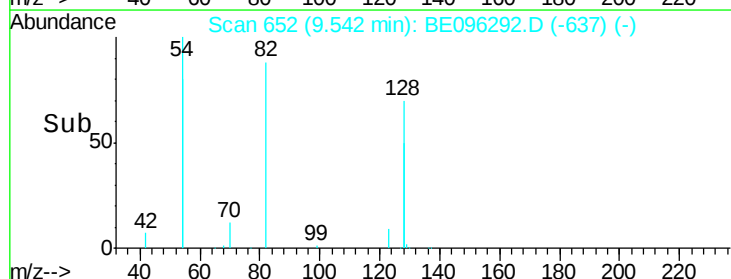
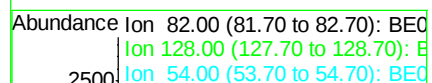
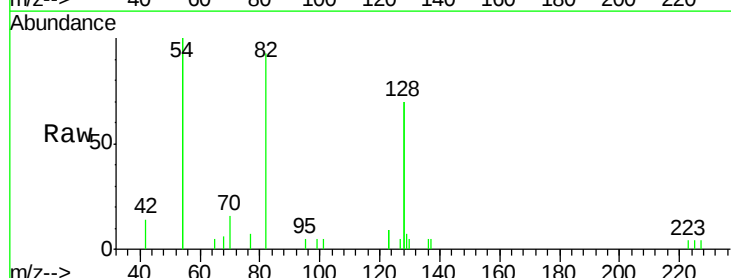
Tgt Ion: 82 Resp: 1596

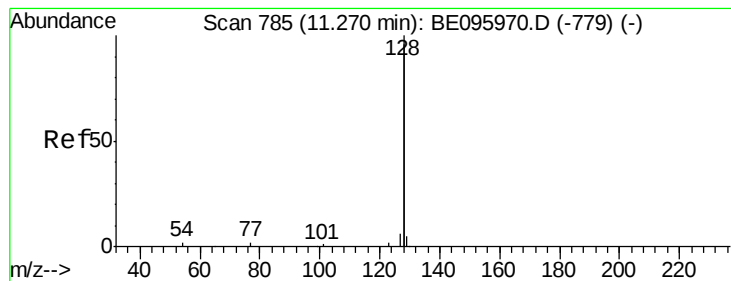
Ion Ratio Lower Upper

82 100

128 150.5 150.0 225.0

54 215.5 154.2 231.4





#9

Naphthalene

Concen: 0.350 ng

RT: 11.23 min Scan# 782

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

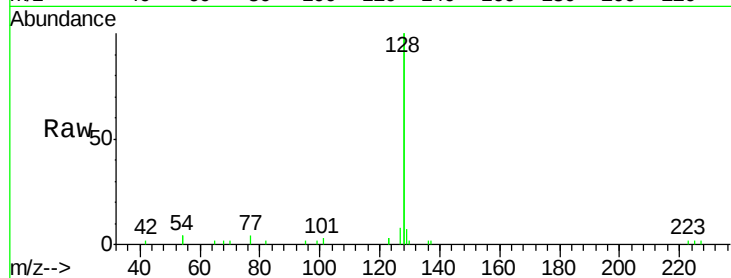
Tot Ion:128 Resp: 10866

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

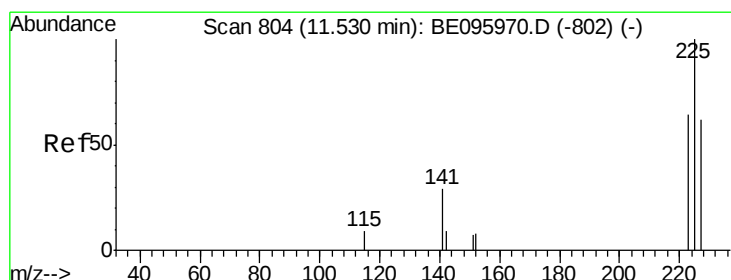
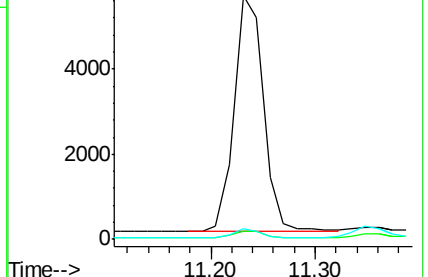
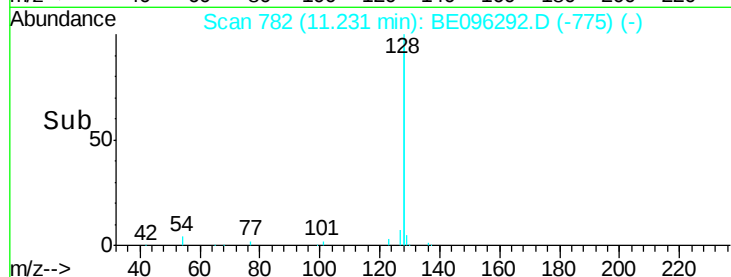
127 4.1 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.334 ng

RT: 11.50 min Scan# 803

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

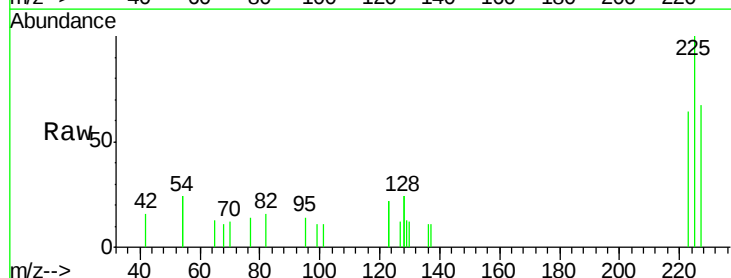
Tgt Ion:225 Resp: 459

Ion Ratio Lower Upper

225 100

223 54.9 53.0 79.6

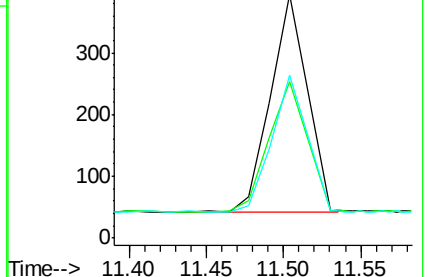
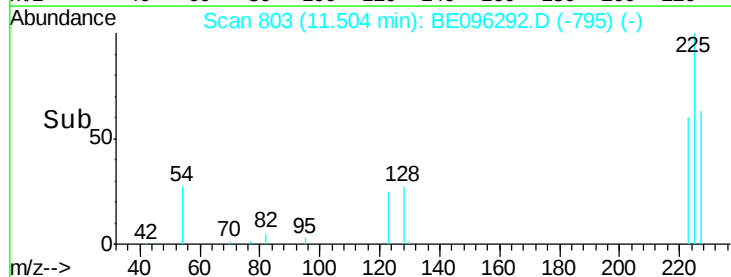
227 50.5 51.4 77.2#

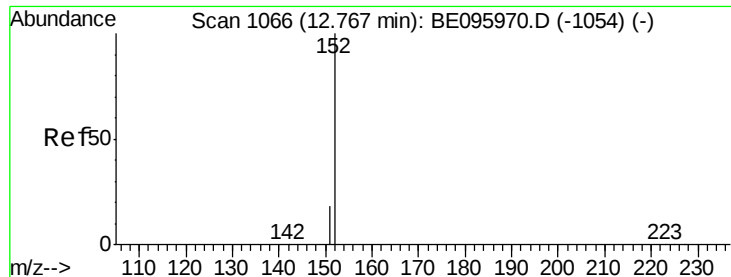


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

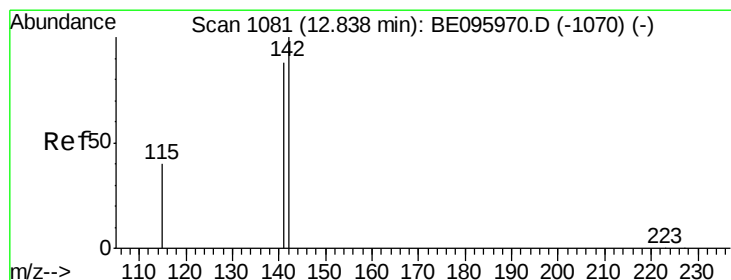
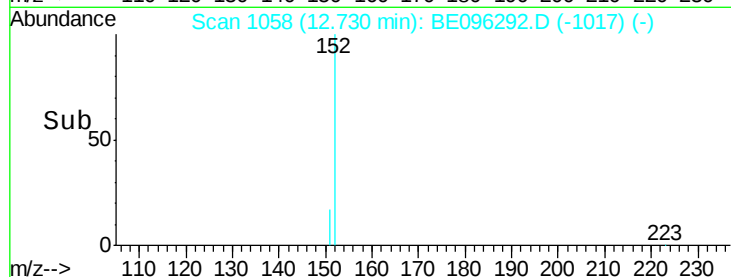
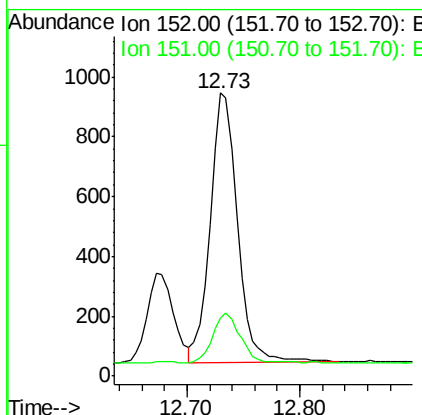
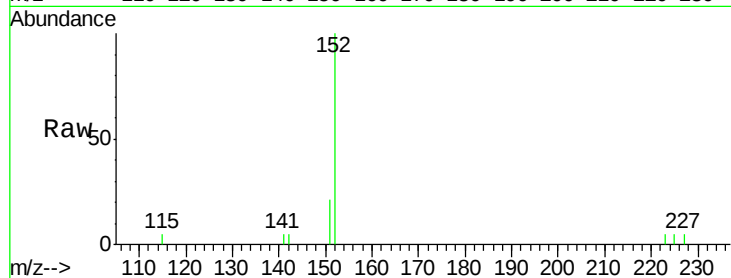




#11
 2-Methylnaphthalene-d10
 Concen: 0.323 ng
 RT: 12.73 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

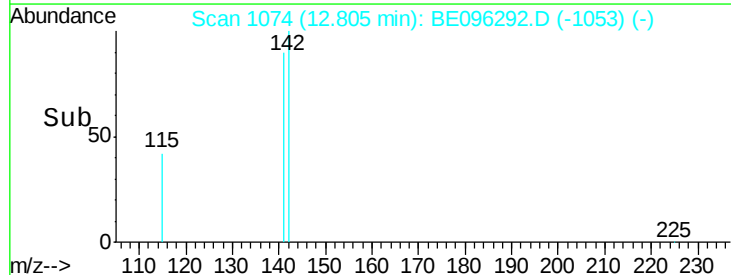
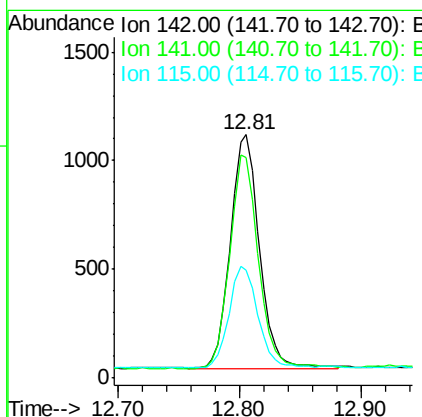
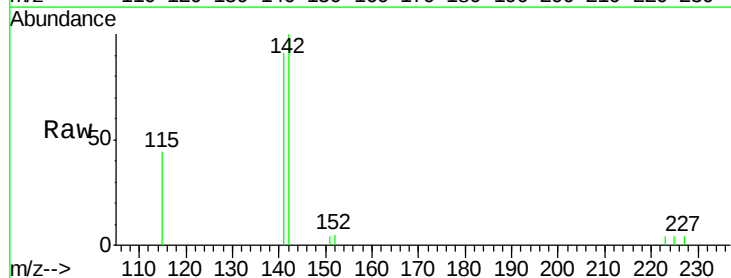
Instrument :
 BNA_E
 ClientSampled :
 PB108755BS

Tot Ion:152 Resp: 1507
 Ion Ratio Lower Upper
 152 100
 151 18.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.347 ng
 RT: 12.81 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

Tgt Ion:142 Resp: 1783
 Ion Ratio Lower Upper
 142 100
 141 90.6 70.4 105.6
 115 44.4 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.94 min Scan# 1281

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

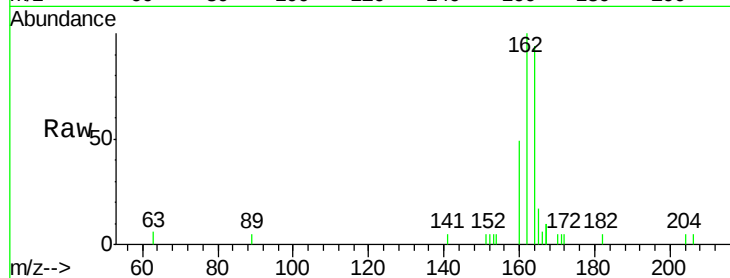
Tot Ion:164 Resp: 1466

Ion Ratio Lower Upper

164 100

162 106.3 83.1 124.7

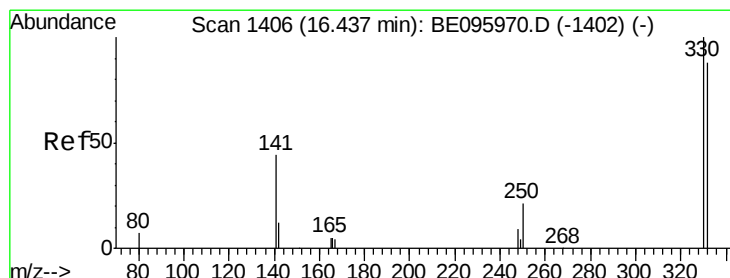
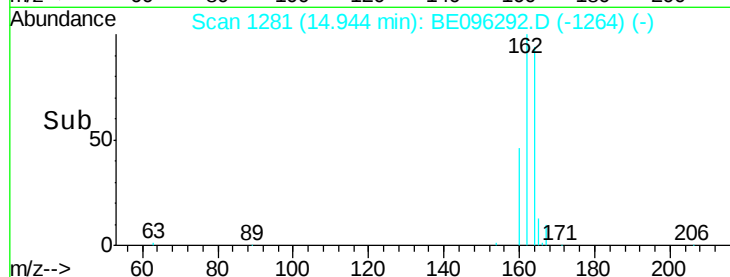
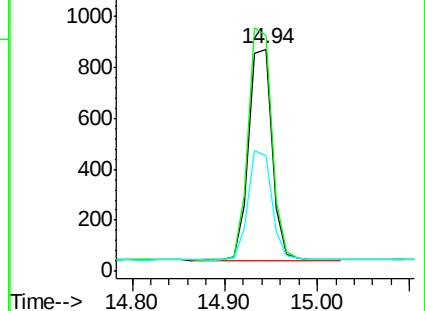
160 52.0 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.249 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

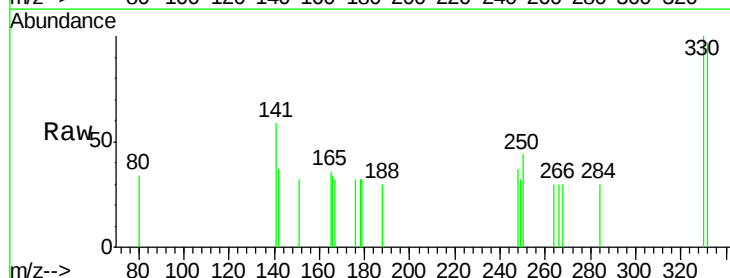
Tgt Ion:330 Resp: 176

Ion Ratio Lower Upper

330 100

332 96.0 152.7 229.1#

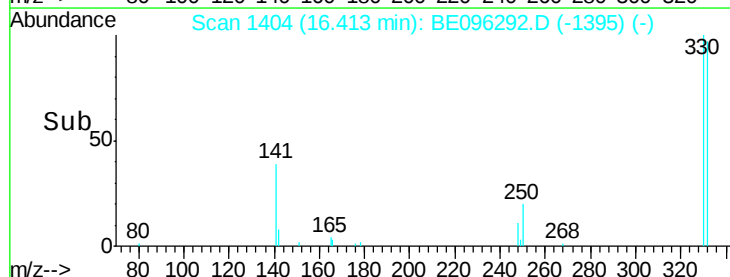
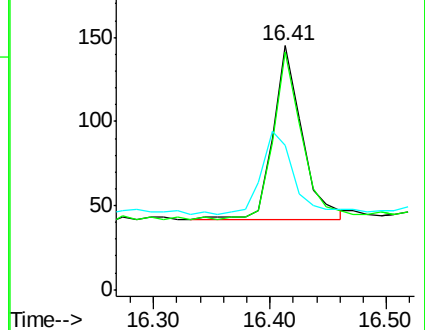
141 54.0 33.7 50.5#

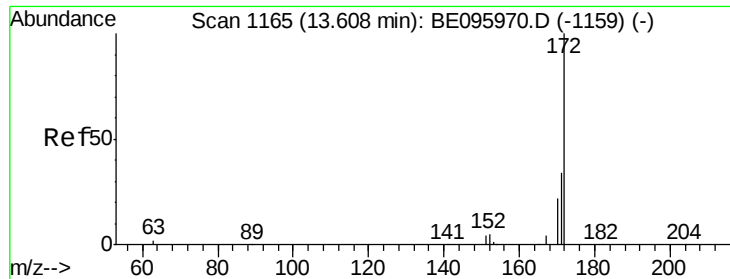


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

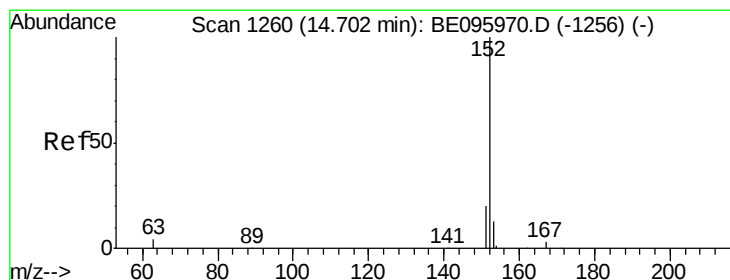
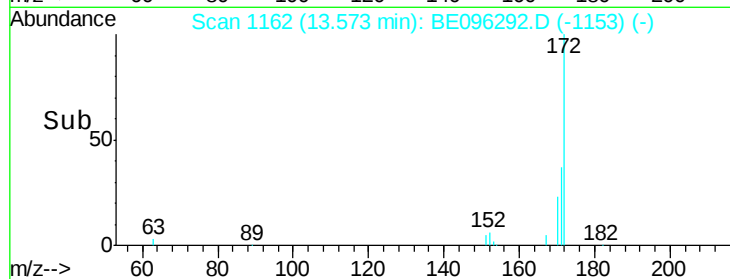
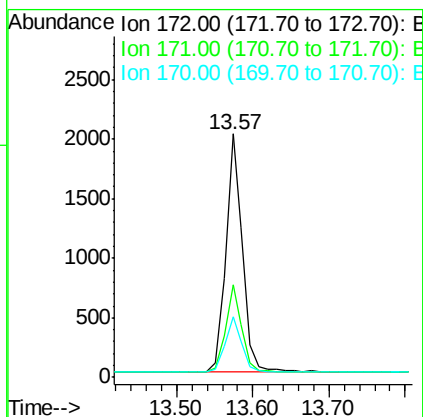
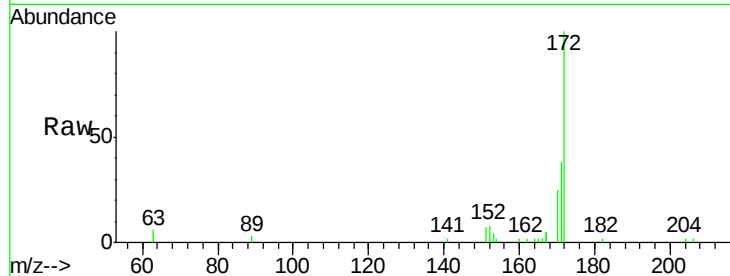




#15
2-Fluorobiphenyl
Concen: 0.493 ng
RT: 13.57 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

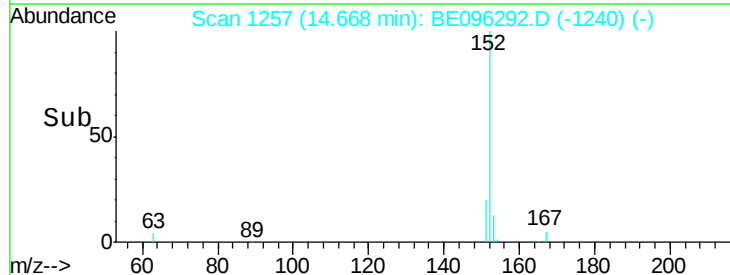
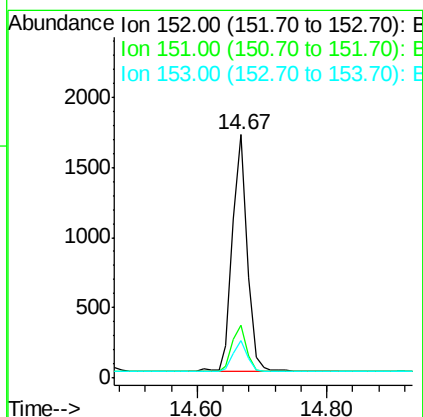
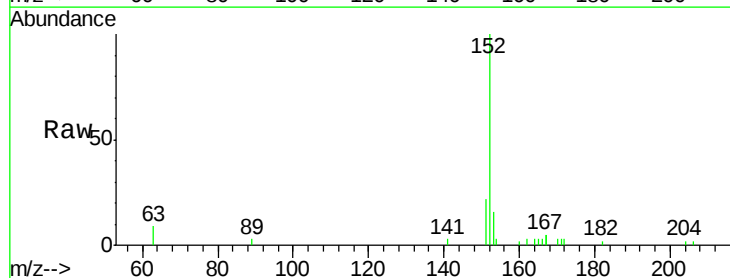
Instrument :
BNA_E
ClientSampleId :
PB108755BS

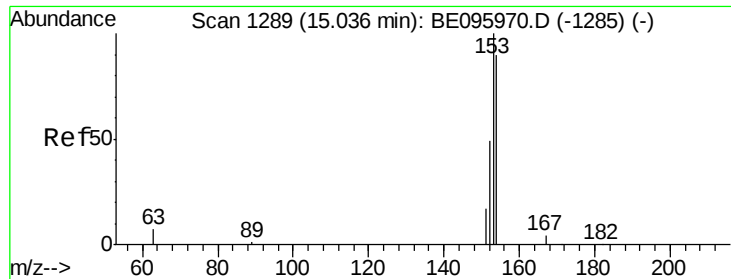
Tot Ion:172 Resp: 3092
Ion Ratio Lower Upper
172 100
171 38.1 29.9 44.9
170 24.8 21.8 32.8



#16
Acenaphthylene
Concen: 0.342 ng
RT: 14.67 min Scan# 1257
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:152 Resp: 2681
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.338 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

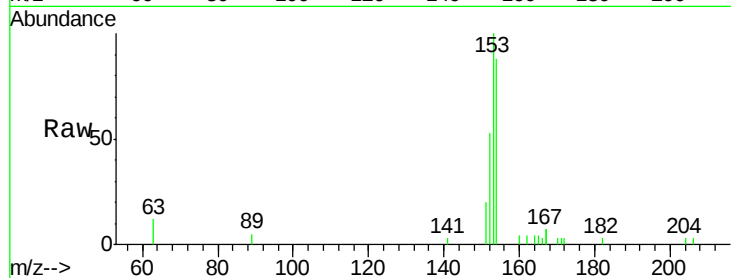
Tot Ion:154 Resp: 1591

Ion Ratio Lower Upper

154 100

153 117.6 89.2 133.8

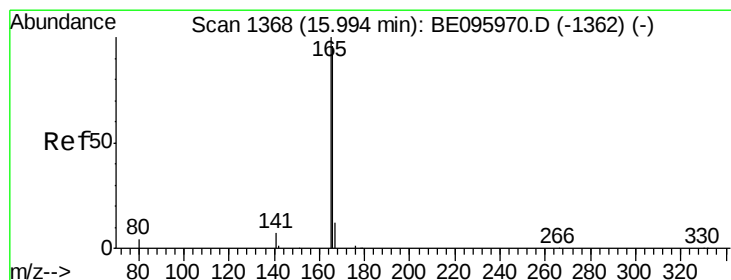
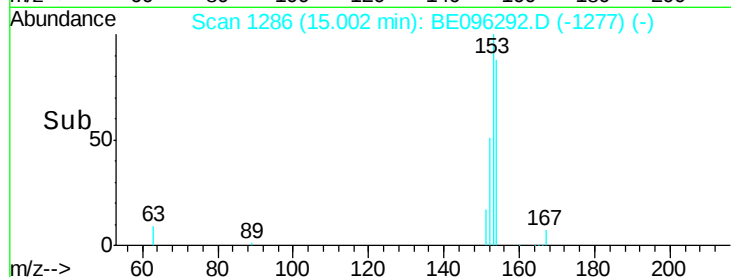
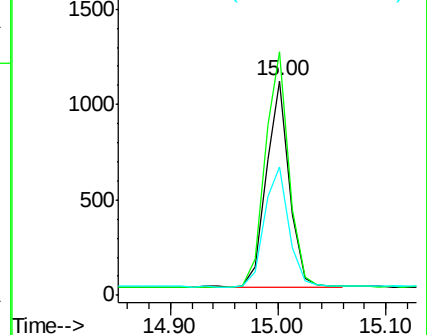
152 62.5 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.365 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

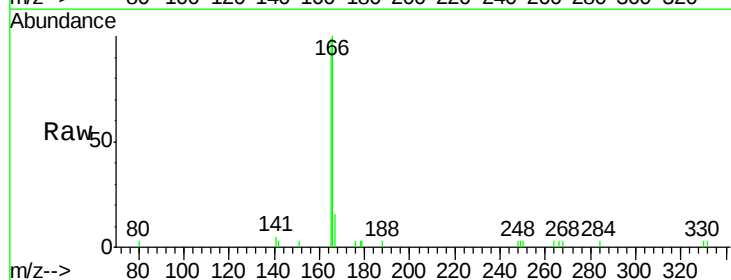
Tgt Ion:166 Resp: 2124

Ion Ratio Lower Upper

166 100

165 121.1 77.8 116.6#

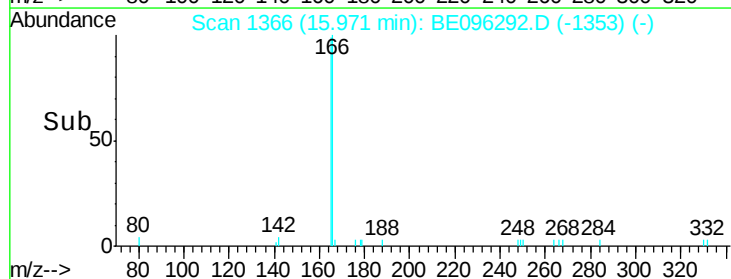
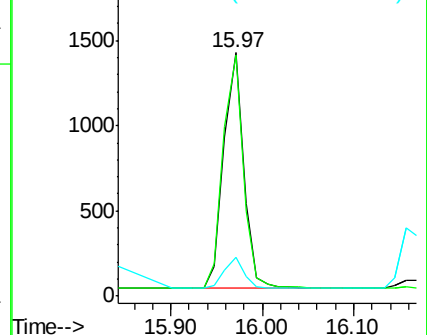
167 13.0 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

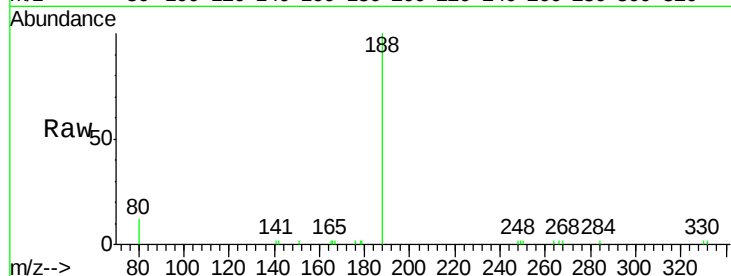
Tot Ion:188 Resp: 3427

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

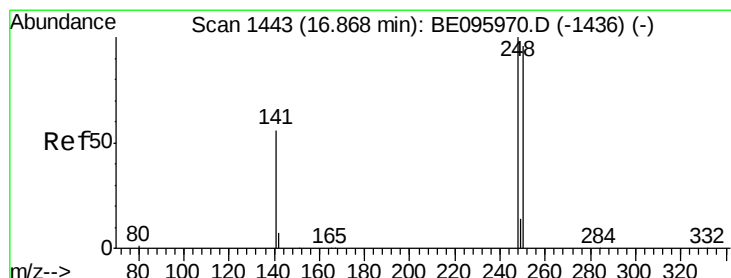
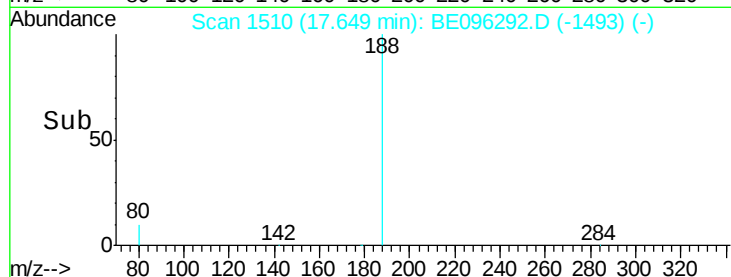
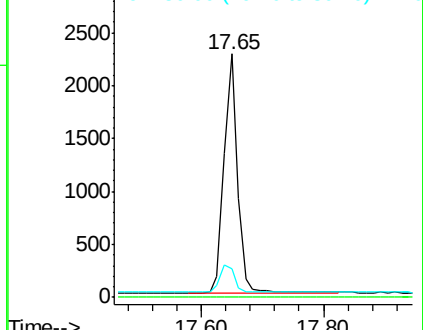
80 11.7 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.325 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

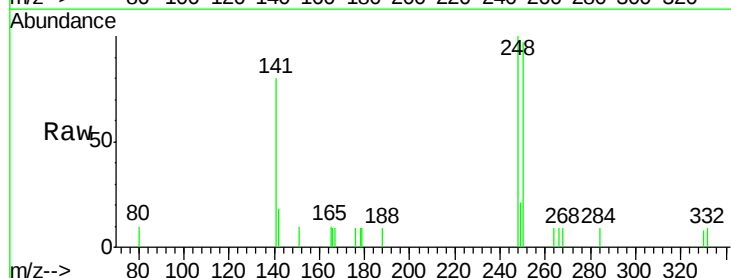
Tgt Ion:248 Resp: 662

Ion Ratio Lower Upper

248 100

250 96.6 62.7 94.1#

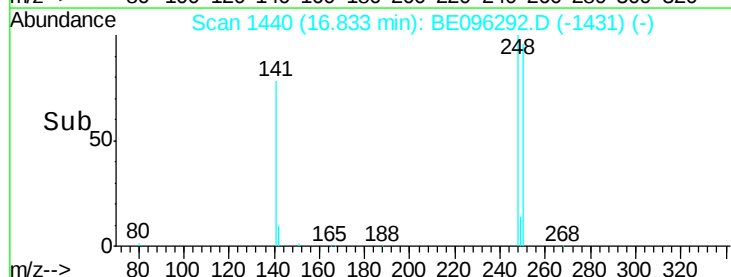
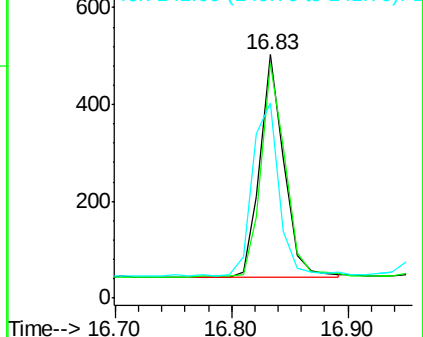
141 80.1 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.343 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

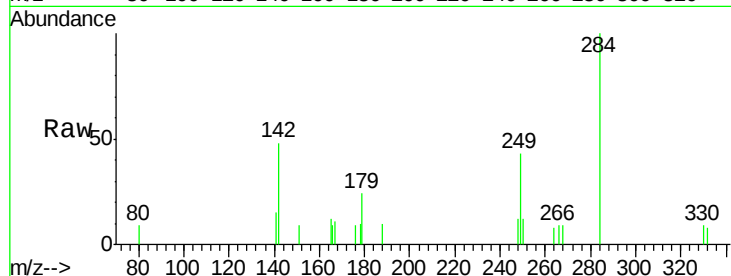
Tot Ion:284 Resp: 695

Ion Ratio Lower Upper

284 100

142 46.8 22.1 33.1#

249 36.4 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.96

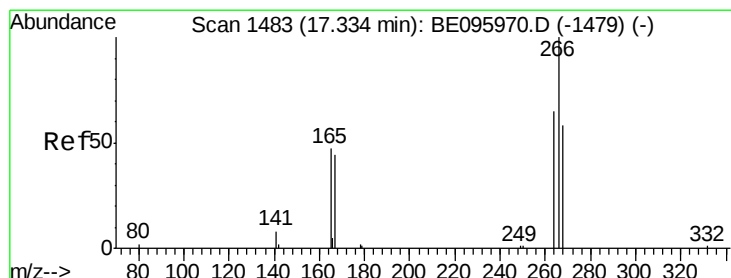
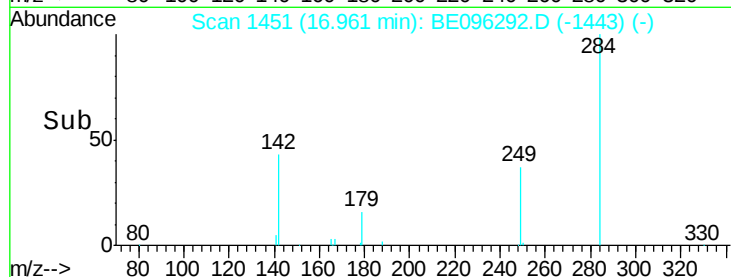
400

200

0

16.90 17.00

Time-->



#22

Pentachlorophenol

Concen: 0.263 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

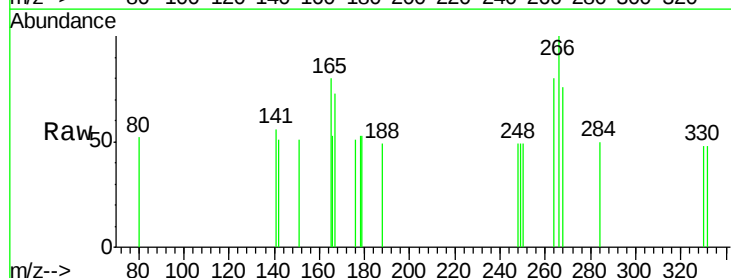
Tgt Ion:266 Resp: 119

Ion Ratio Lower Upper

266 100

264 80.0 72.5 108.7

268 75.6 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

17.31

120

100

80

60

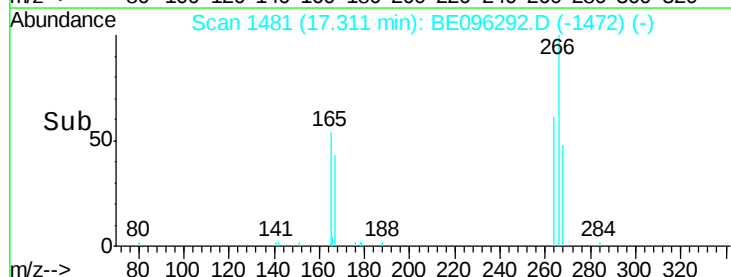
40

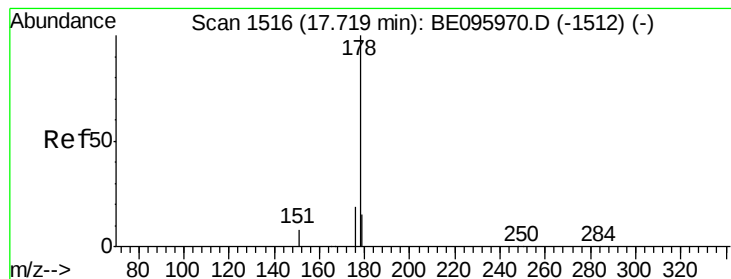
20

0

17.20 17.30 17.40

Time-->





#23

Phenanthrene

Concen: 0.363 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

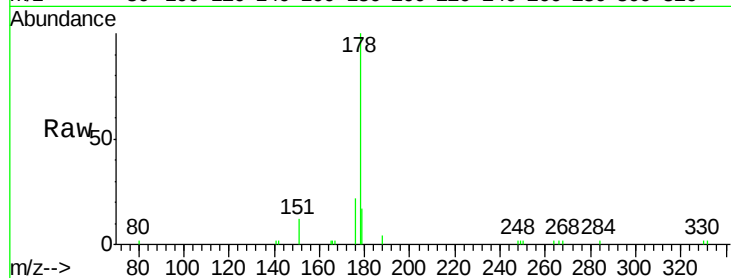
Tot Ion:178 Resp: 3498

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

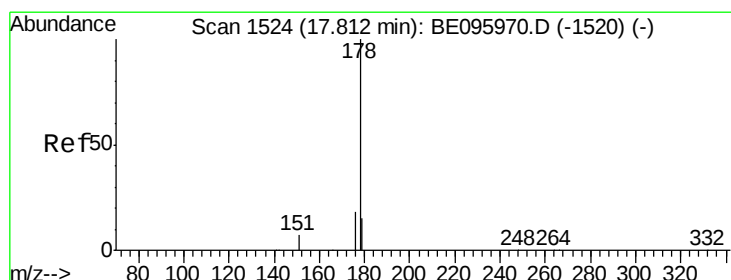
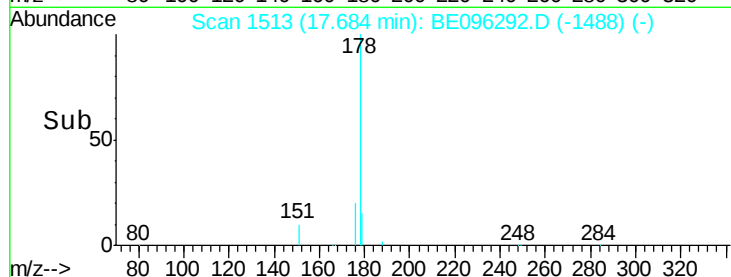
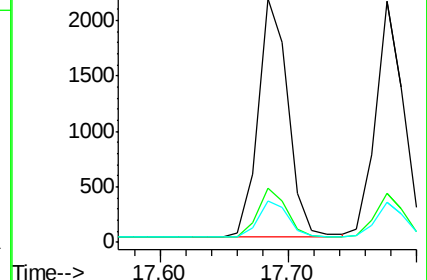
179 14.6 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.349 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

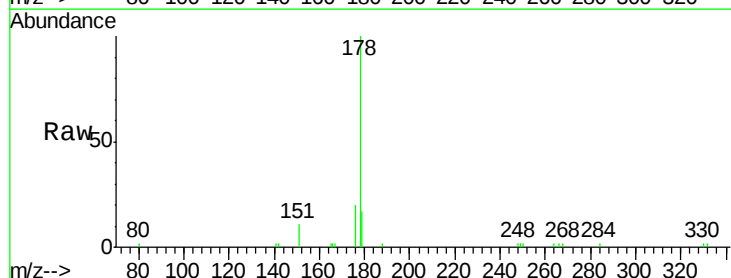
Tgt Ion:178 Resp: 3209

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

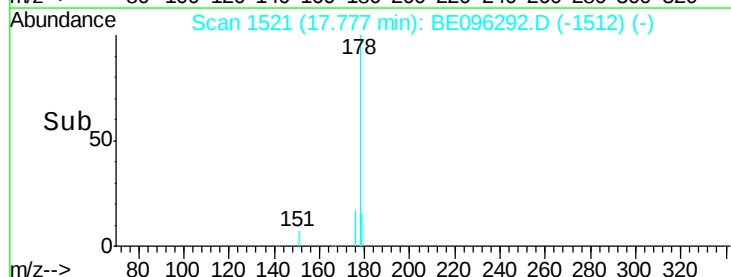
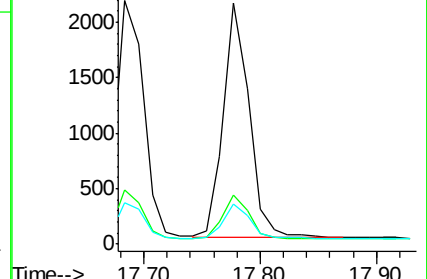
179 15.5 13.0 19.6

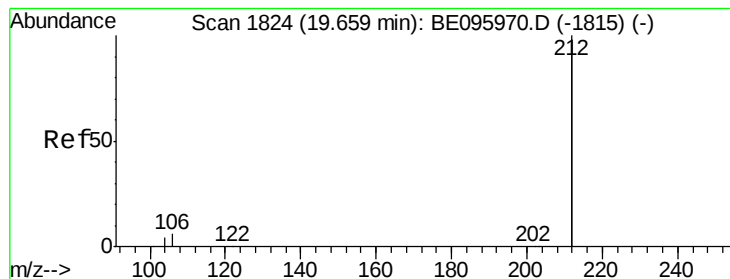


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.63 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

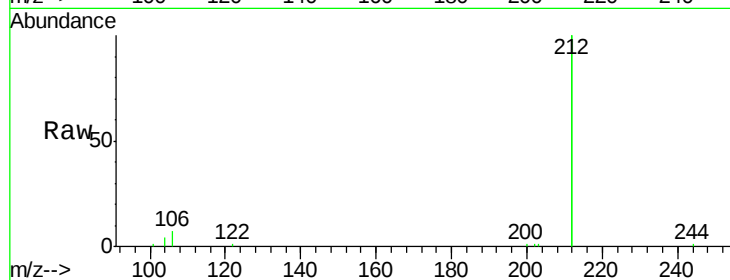
Tot Ion:212 Resp: 14901

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

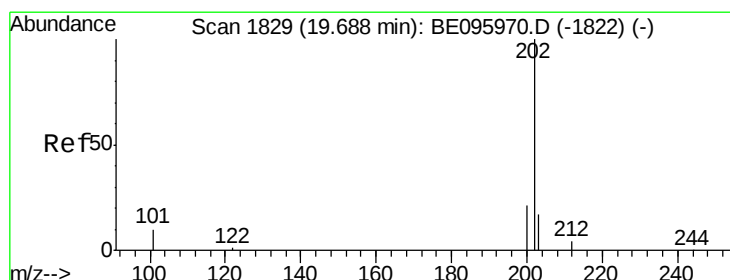
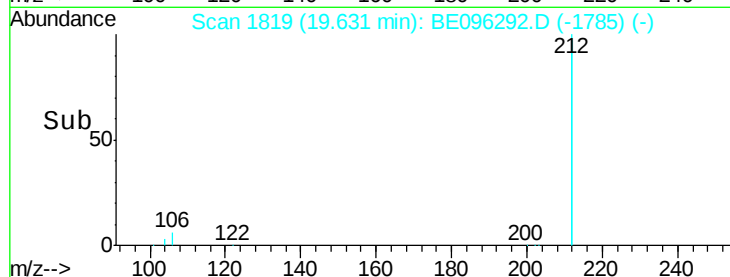
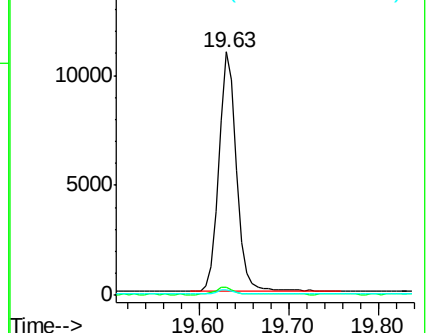
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.348 ng

RT: 19.66 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

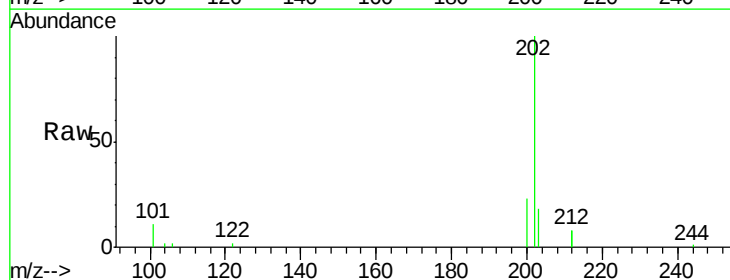
Tgt Ion:202 Resp: 4404

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

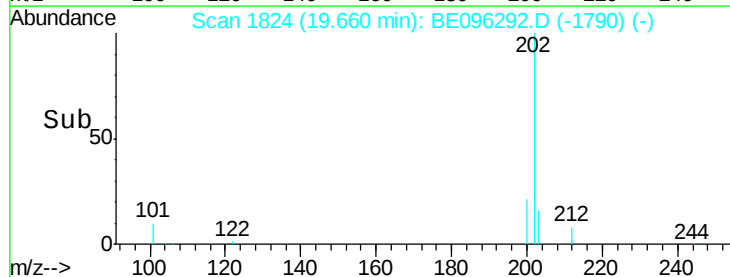
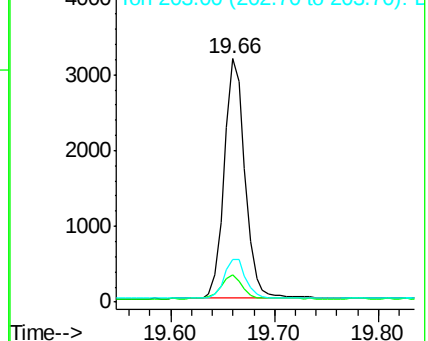
203 17.0 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

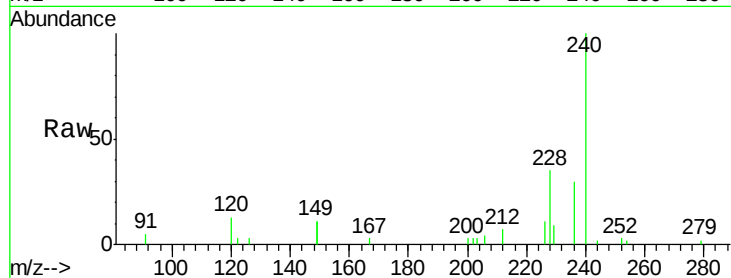
Tot Ion:240 Resp: 3473

Ion Ratio Lower Upper

240 100

120 12.6 5.5 8.3#

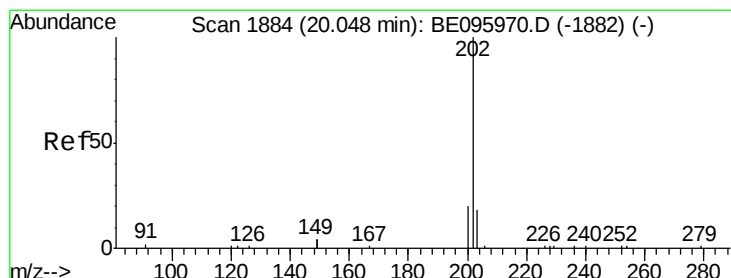
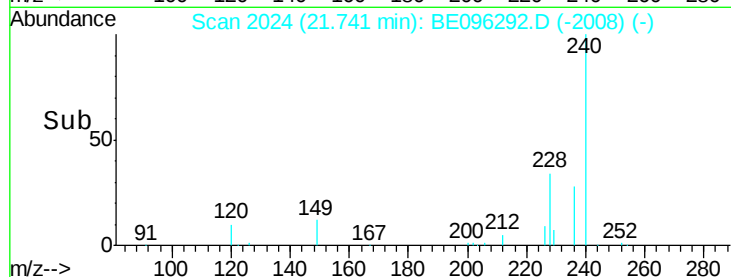
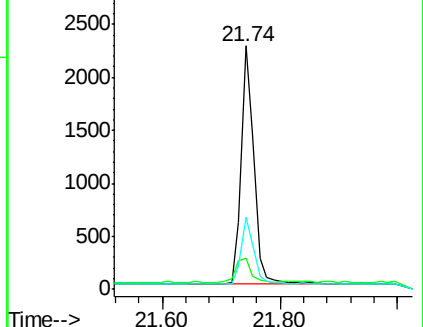
236 29.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.045 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

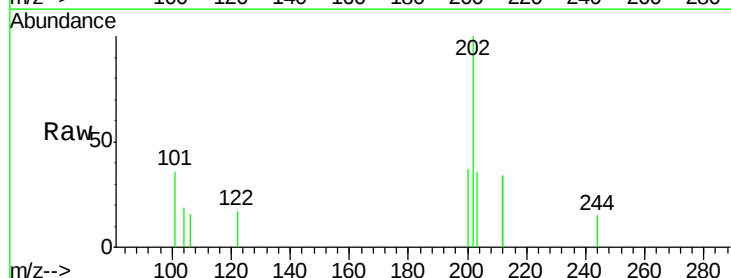
Tgt Ion:202 Resp: 309

Ion Ratio Lower Upper

202 100

200 30.7 16.6 25.0#

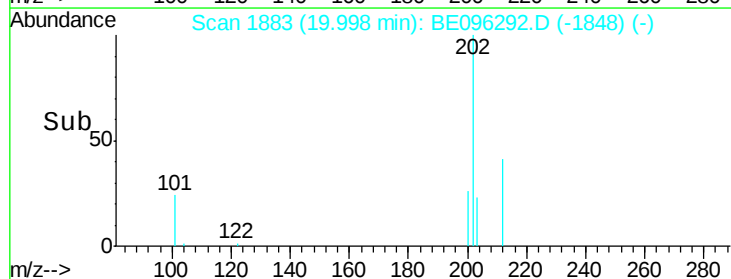
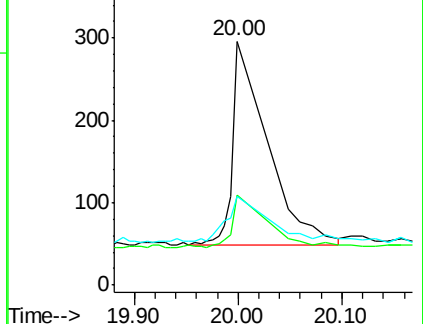
203 43.7 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.463 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

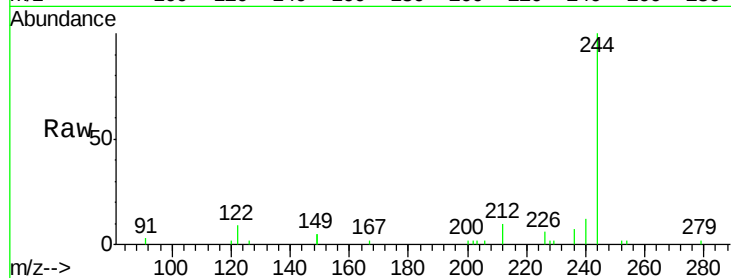
Tot Ion:244 Resp: 3552

Ion Ratio Lower Upper

244 100

212 10.5 25.4 38.0#

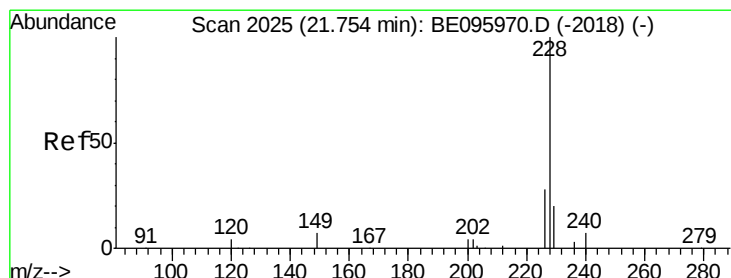
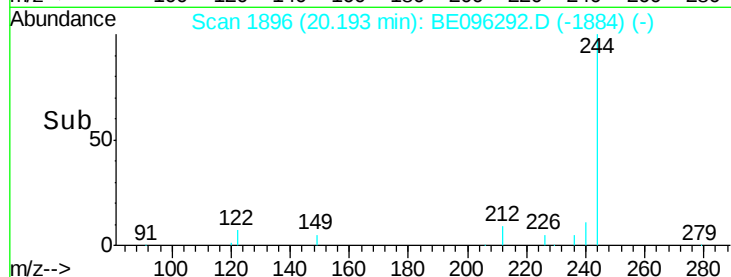
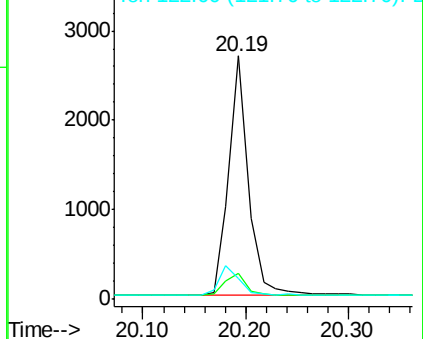
122 8.6 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.348 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

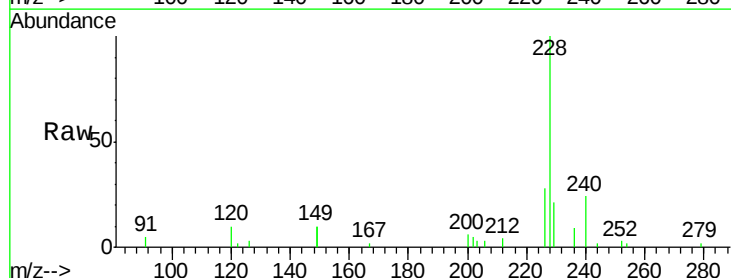
Tgt Ion:228 Resp: 3878

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

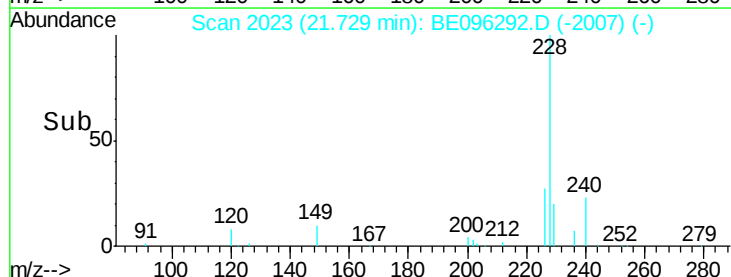
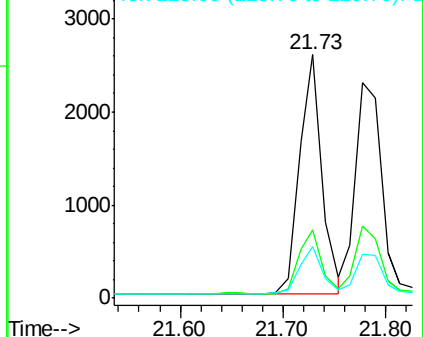
229 21.2 16.0 24.0

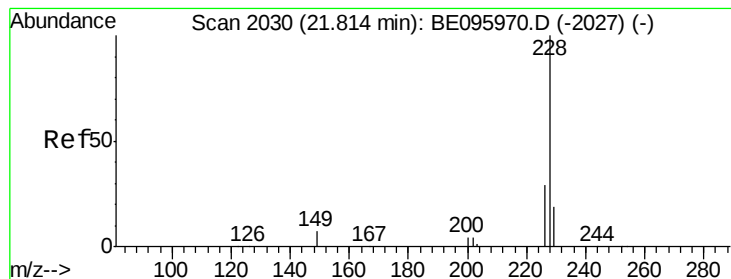


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.365 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

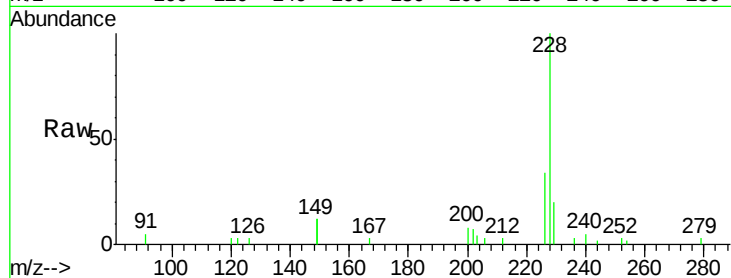
Tot Ion:228 Resp: 3921

Ion Ratio Lower Upper

228 100

226 33.6 24.0 36.0

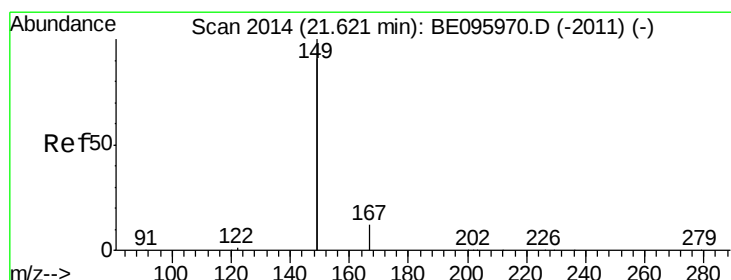
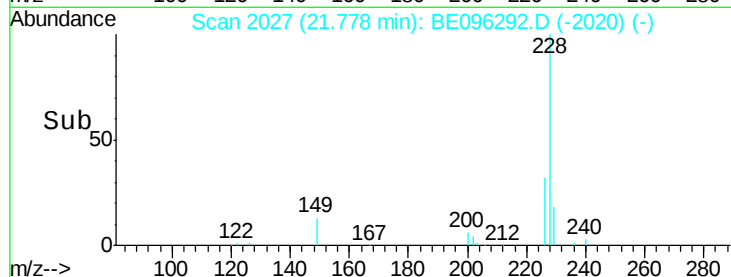
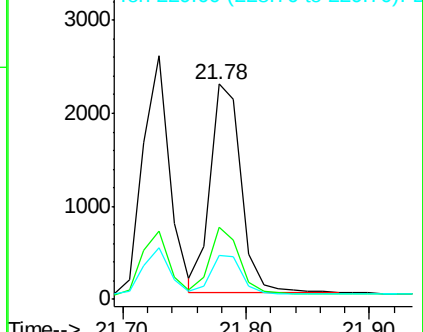
229 20.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.291 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

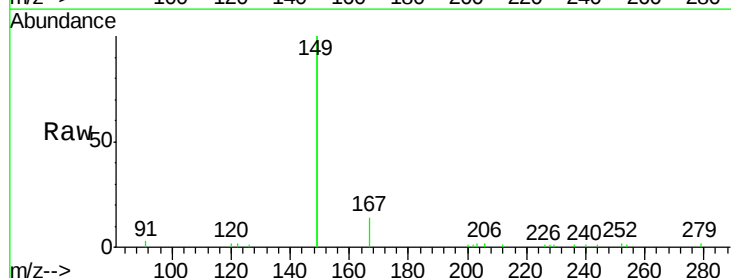
Tgt Ion:149 Resp: 8372

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

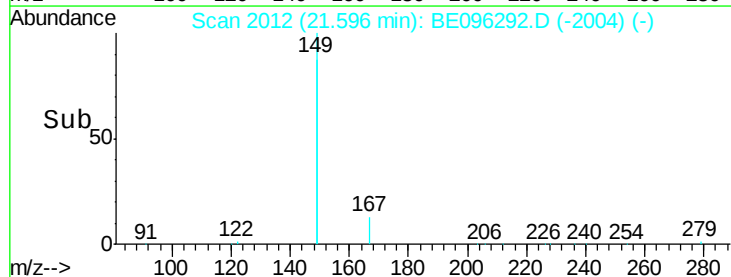
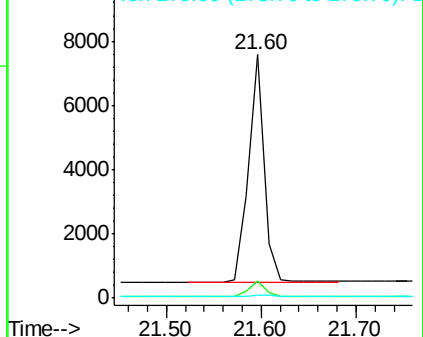
279 0.7 0.7 1.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

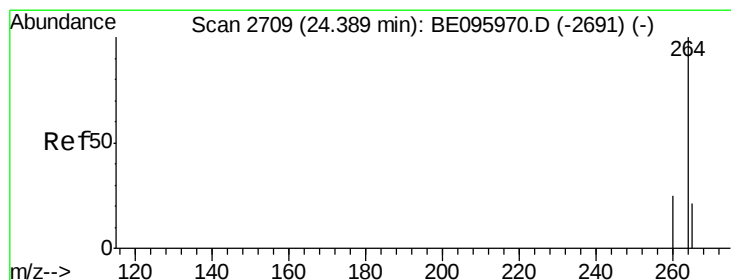
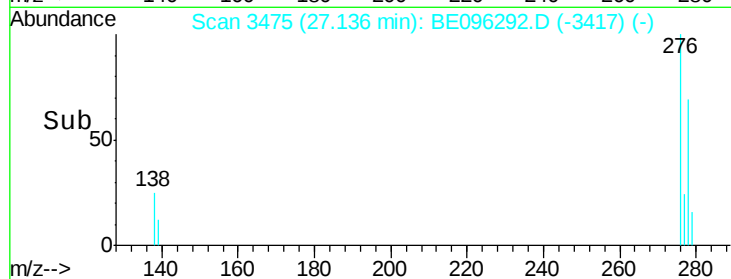
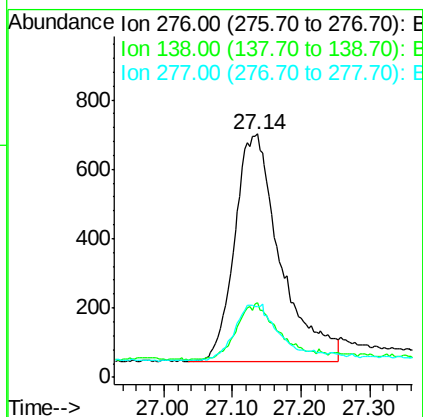
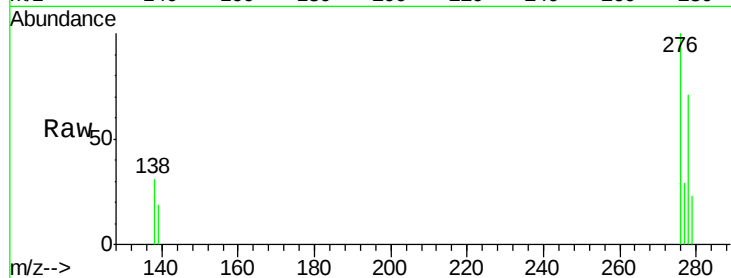




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.291 ng
 RT: 27.14 min Scan# 3475
 Delta R.T. 0.01 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

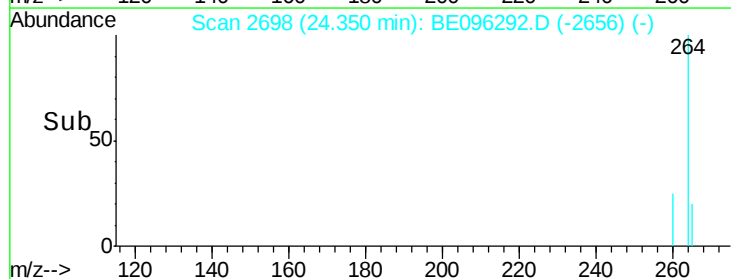
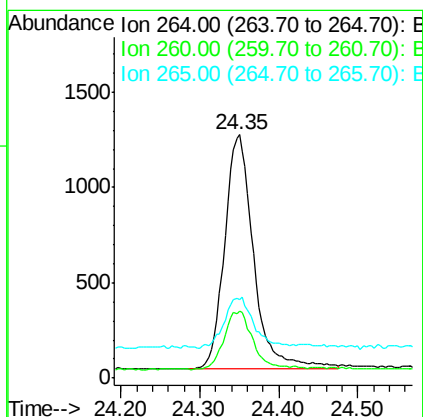
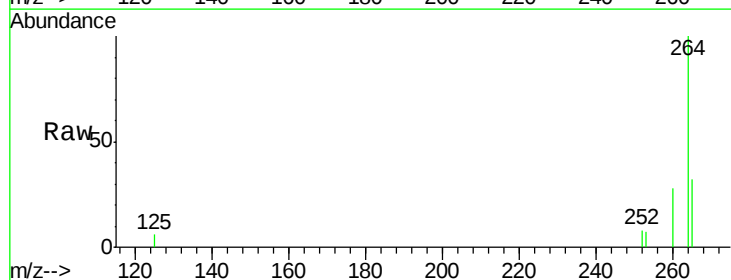
Instrument :
 BNA_E
 ClientSampleId :
 PB108755BS

Tot Ion:276 Resp: 3031
 Ion Ratio Lower Upper
 276 100
 138 22.5 22.5 33.7
 277 11.3 19.9 29.9#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.35 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE096292.D
 Acq: 2 May 2018 13:27

Tgt Ion:264 Resp: 3135
 Ion Ratio Lower Upper
 264 100
 260 27.6 20.5 30.7
 265 32.3 22.8 34.2

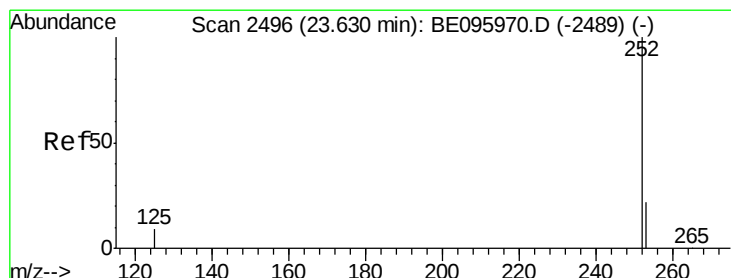
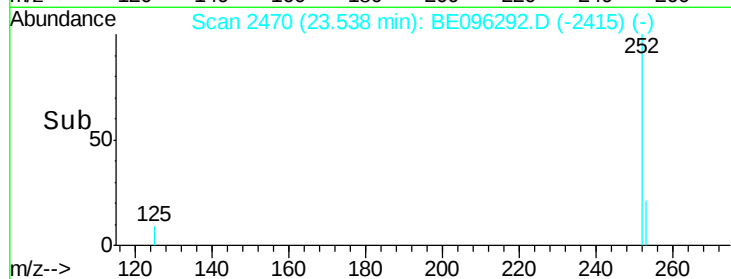
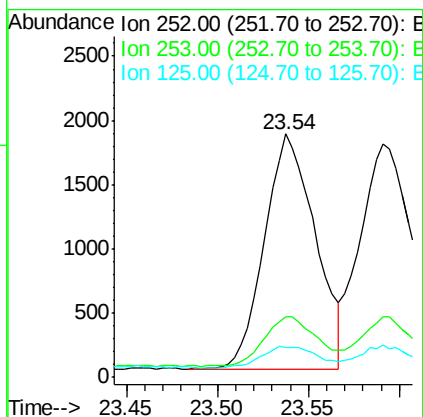
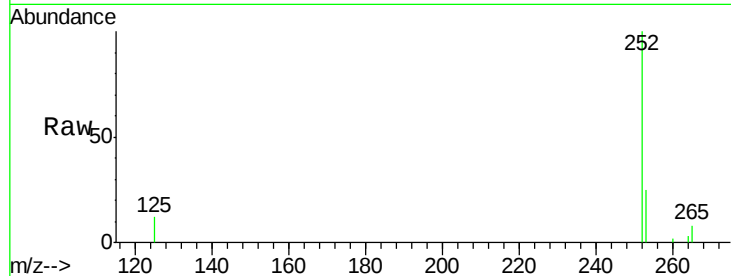




#35
Benzo(b)fluoranthene
Concen: 0.378 ng
RT: 23.54 min Scan# 2470
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

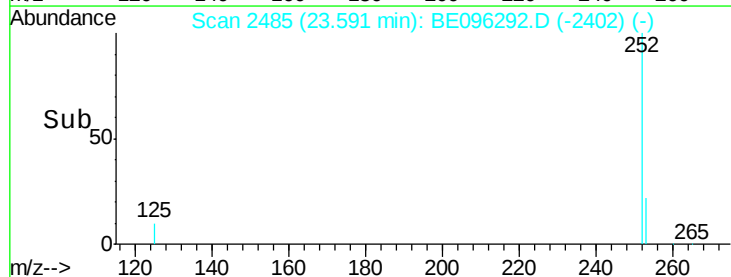
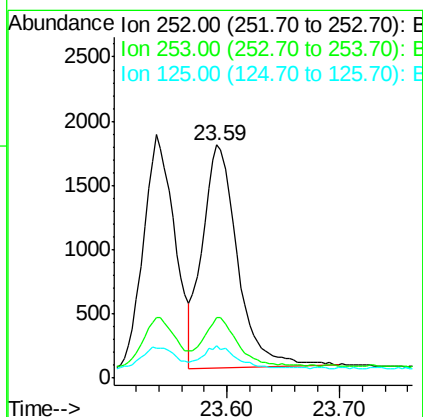
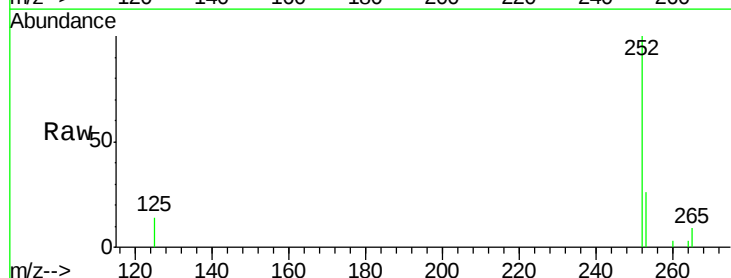
Instrument :
BNA_E
ClientSampleId :
PB108755BS

Tot Ion:252 Resp: 3554
Ion Ratio Lower Upper
252 100
253 25.1 20.0 30.0
125 12.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.387 ng
RT: 23.59 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE096292.D
Acq: 2 May 2018 13:27

Tgt Ion:252 Resp: 3744
Ion Ratio Lower Upper
252 100
253 25.9 16.0 24.0#
125 13.9 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.374 ng

RT: 24.23 min Scan# 2664

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

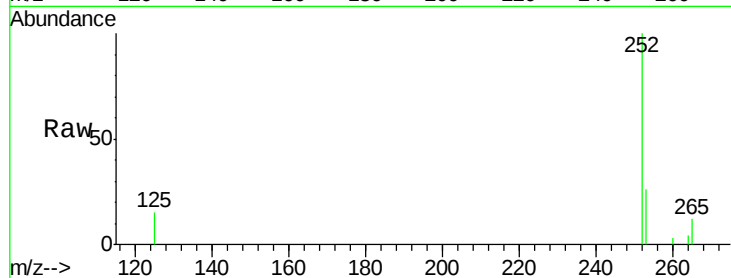
Tot Ion:252 Resp: 3384

Ion Ratio Lower Upper

252 100

253 26.2 16.0 24.0#

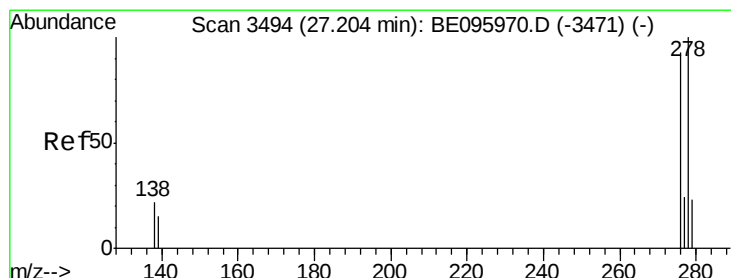
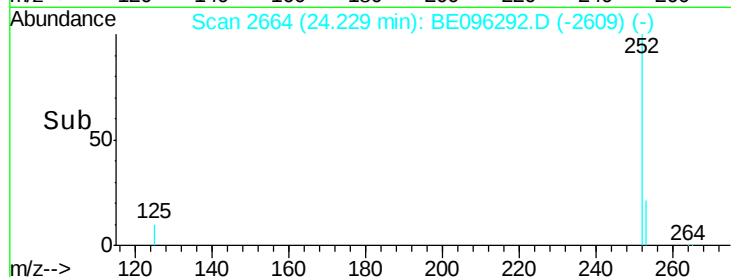
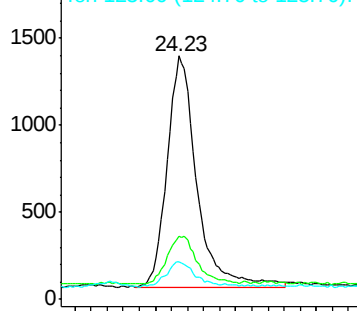
125 15.2 12.0 18.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.291 ng

RT: 27.15 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

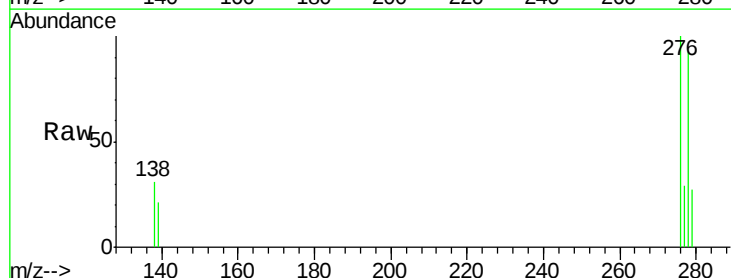
Tgt Ion:278 Resp: 2321

Ion Ratio Lower Upper

278 100

139 22.2 16.0 24.0

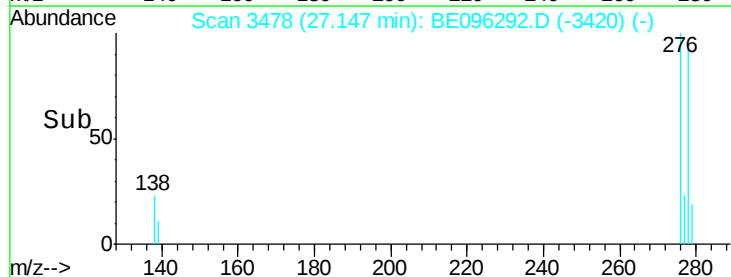
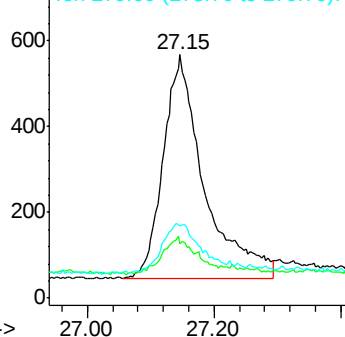
279 29.6 20.0 30.0

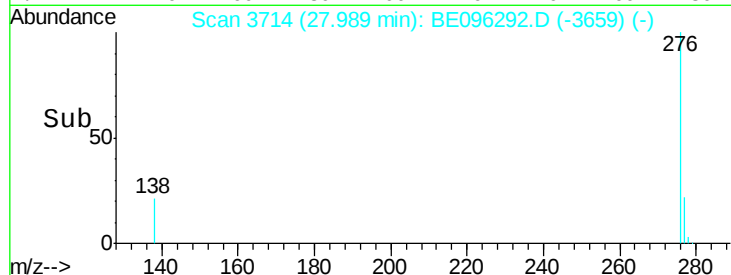
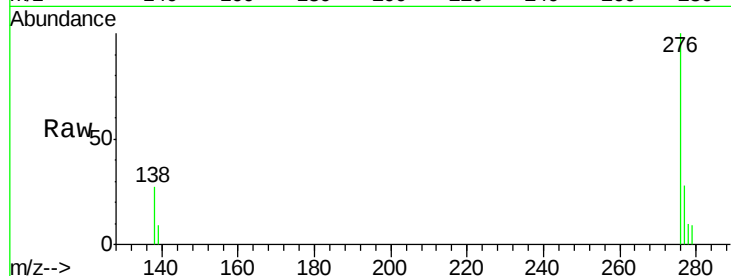


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.323 ng

RT: 27.99 min Scan# 3714

Delta R.T. -0.00 min

Lab File: BE096292.D

Acq: 2 May 2018 13:27

Instrument :

BNA_E

ClientSampleId :

PB108755BS

Tot Ion:276 Resp: 2720

Ion Ratio Lower Upper

276 100

277 28.3 16.0 24.0#

138 27.1 20.0 30.0

